

(19) World Intellectual Property
Organization
International Bureau



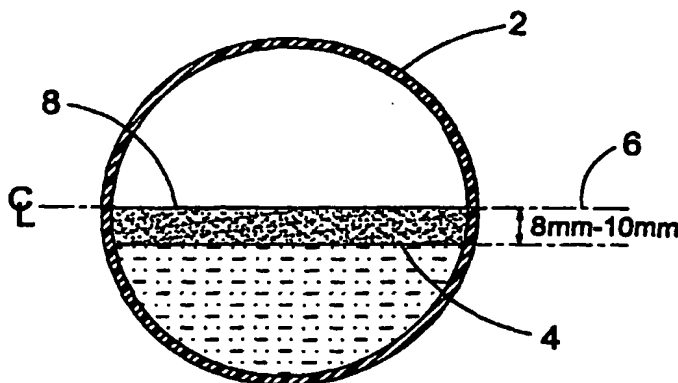
(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000422 A1

- (51) International Patent Classification⁷: A62D 1/00, C12N 1/16, 1/20, 1/22 (74) Agent: LE ROUX, Marius; D M Kisch Inc, P O Box 781218, Sandton 2146 (ZA).
- (21) International Application Number: PCT/ZA2003/000085 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 25 June 2003 (25.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2002/5092 25 June 2002 (25.06.2002) ZA (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): BLENHEIM INVESTMENTS LIMITED [GB/GB]; Suite1, Phoenix House, Davis Place, St Helier, Jersey, JE2 4TE (GB).
- (71) Applicant and (72) Inventor (*for US only*): BEUKES, Vivian, Godfrey [ZA/ZA]; 20 Poplier Street, Heatherpark, 6530 George (ZA).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: METHOD OF PRODUCING ORGANIC MATERIAL AND USE OF THE SAME



(57) Abstract: The invention relates to a method of producing an organic material, which multiplies through a process of germination, wherein the method is aimed at increasing growth of the material and reducing the period necessary for harvesting the same. In particular, the method, which includes a two-stage fermentation process, comprises the steps of preparing a starter nutrient medium; adding a starter culture of an organic bacterial fungus to the nutrient medium; permitting the mixture of nutrient medium and fungus culture to undergo a first stage fermentation process; transferring the mixture to a fermentation container; and allowing the mixture to undergo a second stage fermentation process until the organic

material has germinated fully. The invention also extends to the use of this material in a number of applications, and in particular in fire extinguishing, fire prevention applications and as a general thermal barrier.

WO 2004/000422 A1